

Digital Synthesizers And Transmitters For Software Radio

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Preface.- List of Abbreviations.- 1. Transmitters.- 2. Power Amplifier Linearization.- 3. Digital Compensation Methods for Analog I/Q Modulator Errors.- 4. Direct Digital Synthesizers.- 5. Recursive Oscillators.- 6. Cordic Algorithm.- 7. Sources Of Noise and Spurs in DDS.- 8. Spur Reduction Techniques in Sine Output Direct Digital Synthesizer.- 9. Blocks of Direct Digital Synthesizers.-10. Current Steering D/A Converters.- 11. Pulse Shaping and Interpolation Filters.- 12. Re-Sampling.- 13. FIR Filters for Compensating D/A Converter Frequency Response Distortion.- 14. A Direct Digital Synthesizer with Tunable Delta Sigma Modulator.-15. A Digital Quadrature Modulator with On-Chip D/A Converter.- 16. A GSM/EDGE/WCDMA Modulator with Onchip.- D/A Converter for Base Stations.- 17. Effect of Clipping in Wideband CDMA System and Simple Algorithm for Peak Windowing.- 18. Reducing Peak to Average Ratio of Multicarrier GSM and Edge Signals.- 19. Appendix: Derivation of the Lagrange Interpolator.- Index. EAN/ISBN : 9781402031953 Publisher(s): Springer Netherlands, Springer US Discussed keywords: Software-Radio, Synthesizer Format: ePub/PDF Author(s): Vankka, Jouko

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